CLAIMS

- 1. A light emitting device comprising:
- a first electrode,
- a laminated body including a layer containing a light

 5 emitting substance in contact with the first electrode,
 - a layer having an acceptor level in contact with the laminated body,
 - a layer having a donor level in contact with the layer having the acceptor level, and
- a second electrode in contact with the layer having the donor level.
 - 2. The light emitting device according to claim 1,

wherein the layer having the donor level includes one of

- 15 tris(8-quinolinolato)aluminum (abbreviation: Alq₃), bathophenanthroline (abbreviation: BPhen) and bathocuproin (abbreviation: BCP).
 - 3. A light emitting device comprising:
- 20 a first electrode,
 - a first layer having a donor level in contact with the first electrode,
- a laminated body including a layer containing a light emitting substance in contact with the first layer having the donor level,

a layer having an acceptor level in contact with the laminated body,

a second layer having a donor level in contact with the layer having the acceptor level, and

a second electrode in contact with the layer having the donor level.

- 4. A light emitting device comprising:
- a first electrode,
- a first layer having an acceptor level in contact with the first electrode,

a first layer having a donor level in contact with the first layer having the acceptor level,

a laminated body including a layer containing a light

15 emitting substance in contact with the first layer having the

donor level,

a second layer having an acceptor level in contact with the laminated body,

a second layer having a donor level in contact with the second layer having the acceptor level, and

a second electrode in contact with the second layer having the donor level.

5. The light emitting device according to claim 3 or 4,wherein at least one of the first and second layers having

the donor level includes one of tris(8-quinolinolato)aluminum (abbreviation: Alq₃), bathophenanthroline (abbreviation: BPhen) and bathocuproin (abbreviation: BCP).

- 5 6. A light emitting device comprising:
 - a first electrode,

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- a laminated body including a layer containing a light emitting substance in contact with the first electrode,
- a first layer containing a first substance of which a hole

 10 mobility is higher than an electron mobility and a second
 substance that can accept an electron from the first substance
 in contact with the laminated body,

a second layer containing a third substance of which an electron mobility is higher than a hole mobility and a forth substance that can donate an electron to the third substance in contact with the first layer, and

- a second electrode in contact with the second layer.
- 7. The light emitting device according to claim 6,

 20 wherein the third substance is one of tris(8-quinolinolato)aluminum (abbreviation: Alq3), bathophenanthroline (abbreviation: BPhen) and bathocuproin (abbreviation: BCP).
- 25. 8. A light emitting device comprising:

a first electrode,

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- a first layer containing a first substance of which an electron mobility is higher than a hole mobility and a second substance that can donate an electron to the first substance in contact with the first electrode,
- a laminated body including a layer containing a light emitting substance in contact with the first layer,
- a second layer containing a third substance of which a hole mobility is higher than an electron mobility and a fourth substance that can accept an electron from the third substance in contact with the laminated body,
 - a third layer containing a fifth substance of which an electron mobility is higher than a hole mobility and a sixth substance that can donate an electron to the fifth substance in contact with the second layer, and
 - a second electrode in contact with the third layer.
- The light emitting device according to claim 8, wherein at least one of the first and fifth substances
 is one of tris(8-quinolinolato)aluminum (abbreviation: Alq₃), bathophenanthroline (abbreviation: BPhen) and bathocuproin (abbreviation: BCP).
 - 10. A light emitting device comprising:
- 25 a first electrode,

a first layer containing a first substance of which a hole mobility is higher than an electron mobility and a second substance that can accept an electron from the first substance in contact with the first electrode,

a second layer containing a third substance of which an electron mobility is higher than a hole mobility and a fourth substance that can donate an electron to the third substance in contact with the first layer,

a laminated body including a layer containing a light 10 emitting substance in contact with the second layer,

a third layer containing a fifth substance of which a hole mobility is higher than an electron mobility and a sixth substance that can accept an electron from the fifth substance in contact with the laminated body,

a fourth layer containing a seventh substance of which an electron mobility is higher than a hole mobility and an eighth substance that can donate an electron to the seventh substance in contact with the third layer, and

a second electrode in contact with the fourth layer.

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(abbreviation: BCP).

11. The light emitting device according to claim 8, wherein at least one of the third and seventh substances is one of tris(8-quinolinolato)aluminum (abbreviation: Alq3), bathophenanthroline (abbreviation: BPhen) and bathocuproin

12. The light emitting device according to any one of claims 1, 3, 4, 6, 8 and 10,

wherein the laminated body has a single layer structure.

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- 13. The light emitting device according to claim 1 or 3, wherein when a potential of the second electrode is set higher than a potential of the first electrode, a hole generated in the layer having the acceptor level is injected in the laminated body.
- 14. The light emitting device according to claim 4, wherein when a potential of the second electrode is set higher than a potential of the first electrode, a hole generated in the second layer having the acceptor level is injected in the laminated body.
- 15. The light emitting device according to claim 6, wherein when a potential of the second electrode is set
 20 higher than a potential of the first electrode, a hole generated in the first layer is injected in the laminated body.
- 16. The light emitting device according to claim 8,wherein when a potential of the second electrode is set25 higher than a potential of the first electrode, a hole generated

in the second layer is injected in the laminated body.

17. The light emitting device according to claim 10, wherein when a potential of the second electrode is set
5 higher than a potential of the first electrode, a hole generated in the third layer is injected in the laminated body.